

Welcome to the P-20 Work Group Learner Lifespan Metric Mapping

Our charge:

- 1) Create a map of metrics and data across the learner lifespan (ideal and available),
- 2) Identify critical issues/"pain points" in the Minnesota Story), and
- 3) Identify a starting list of relevant strategies for the P20 Partnership to consider.

Work group members:

Minnesota State
Citizen's League
Rasmussen College
Generation Next
MN Dept of Education
University of Minnesota
MN Private College Council



Data is available, reliable, & currently utilized



Data is not available or not reliable for state level analysis



Data is not used at the state level

This presentation utilizes the PREZI platform in order to eliminate the constraints of space when mapping the learner lifespan. As such, presentation slides 1-29 can be viewed best at <https://bit.ly/3goJaqu>

Educational Attainment

or completion of a post-high school credential

Credentials may be educational or industry-recognized.

Ways to Measure Attainment

**Completion of a
Postsecondary
Certificate, Diploma,
or Degree**



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**Completion of
an Industry
Recognized
Credential**

What's Behind the Credential?

Earning the Credential

.... means more likely to be employed with benefits at a Family Sustaining Wage

.... which leads to healthy families

.... which leads to healthy communities

.... which leads to a healthy, growing Minnesota!

Earning the Credential

.... means better trained workers that employers need

.... which leads to productive, growing businesses

.... which leads to healthy communities

.... which leads to a healthy, growing Minnesota!

Measures

- Job placement, employment rates, and wages
- Unemployment rates
- Workforce supply & demand, Job vacancy rate
- Employee tenure
- Return on investment

High School Diploma Completion

Leading Indicator of Attainment

3 Measures

- High School Graduation ✓
- GED Completion ✓
- Adult Basic Education completion ✓



Academics:

Preparation / Activity / Results

Kindergarten Readiness

- Kindergarten Readiness assessments ⚠️
- Kindergarten Entry Profile ⚠️
- Display of Age Expected Behaviors (Child Outcome Summary Form) ✓
- Early Childhood Screening ✓
- Display of Age expected skills (ECSE) ✓
- MN Early Childhood Indicators of Progress ✓

Early Care & Education

- Participation in early childhood care and education ✓
- Participation in early childhood educational activities ✓
- Early childhood screening benchmarks: multiple system of assessment ⚠️

Education Stability

- Attendance (days attended/absent) ✓
- 5+ absences in 1st quarter ✓
- Removal from learning
 - Suspensions ✓
 - Out of classroom time ⚠️
- Change in school ✓
- Dropout ✓







Results / Assessments

- Reading Proficiency ✓
- Math proficiency ✓
- ACT/SAT
 - Composite score ✓
 - College readiness benchmarks ✓
 - Scores needed for college admissions ✓
- Assessment scores for placement into developmental education ✓
- High School Grade Point Average ⚠️
- Timely high school graduation ✓
- Adult literacy levels ✓

Academic Activity

- Participation in Dual Credit (Advanced Placement, International Baccalaureate, PSEO, Concurrent Enrollment) ✓
- Participation in Career and Technical Education ✓
- Core courses attempted / completed ⚠️
- High School credit accumulation ⚠️

Kindergarten Readiness

- Kindergarten Readiness assessments 
- Kindergarten Entry Profile 
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- Early Childhood Screening 
- Display of Age expected skills (ECSE) 
- MN Early Childhood Indicators of Progress 

Early Care & Education

- Participation in early childhood care and education ✓
- Participation in early childhood special education ✓
- Early childhood screenings (Birth-age 5, multiple systems/providers) ⚠

Results / Assessments

- Reading Proficiency ✓
- Math proficiency ✓
- ACT/SAT
 - Composite score ✓
 - College readiness benchmarks ✓
 - Scores needed for college admissions ✓
- Assessment scores for placement into developmental education ✓
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- Timely high school graduation ✓
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- Change in school ✓
- Dropout ✓


Parents /Family

- Parent (family) satisfaction with child's education







Teachers, School Support Staff & Caring Adults

- Quality teachers 
- Teachers who look like me 
- Caring adult/mentor-like adult outside the home 
- Peer network 
- Engagement with teachers and peers 
- Access to school counselors
 - Has a counselor 
 - Counselor has time for the student 




Social-Emotional Learning

- Commitment to learning ✓
- Positive identity ✓
- Social competence ✓
- Core SEL competencies (varies by age): 
 - Self-awareness
 - Self-management
 - Responsible decision-making
 - Social awareness
 - Relationship skills

College/Career Knowledge

- Exposure to college & career pathways 
- Receives information and instruction/
assistance on creating a college & career plan 
- Have a post-high school college & career plan 
- Participate in work experiences or work-based
learning 
- School culture related to college and career
aspirations 
- Navigational capital or understanding of
college access and success process 

Financial Preparation

- Has a financial plan 
- Completes the FAFSA 
- Has a college savings account 

College Enrollment & Persistence

Leading Indicator of Measures of Attainment

- Enrolled / Timing of Enrollment ✓
- Continuous enrollment (fall-to-spring or fall-to-fall persistence) ✓

Academics

Academic Activity

- Enrolled in college
- Credits completed
- Hours of class completed
- Credits earned in college
- Credits earned in college
- Credits earned in college

Academic Results

- Credits completed in first year ✓
- Cumulative credits completed ✓
- Progress to all requirements for degree ✓
- Credits earned in college ✓
- Credits earned in college ✓
- Credits earned in college ✓

Education Stability

- College dropout/stop-out ✓
- Transfer between colleges ✓
- Successful/unsuccessful transfer ✓
- Change in program/major ✓
- Educational swirl (enrolling in multiple institutions without making progress) ✓
- Fit (educational choices match educational goals) ✓

Faculty, Staff, and Support Networks

- Support network present ✓
- Peer to peer network, activity ✓
- Positive engagement with faculty, staff, and peers ✓
- Engagement activities:
 - Work on campus ✓
 - Live on campus ✓
 - Extracurricular activities ✓

Career Knowledge & Preparation

- Preparation for careers and job placement ✓
- Have a career plan ✓
- Participate in work experiences or work-based learning ✓

Finances / Affordability

- Has a financial plan ✓
- Completed the FAFSA ✓
- College Cost (cost of attendance, tuition & fees, living expenses) ✓
- Available resources for college (savings, work, credit/borrowing) ✓
- Net cost of college, affordability ✓
- Annual / cumulative educational loans ✓
- Hours worked while enrolled ✓

Social-Emotional Learning

- Grit ✓
- Navigational capital or understanding of college success processes ✓
- Social-emotional learning ✓

Academics

Academic Activity

- Full-time/part-time ✓
- Credits completed in first year ✓✓
- Percent of credits completed ✓✓
- Credits accepted at entry ⚠
- Completion of college level math class ⚠
- Completion of college level English class ⚠
- Developmental education participation (credits attempted, credits completed, subject area) ✓

Academic Results

- Credits completed in first year ✓✓
- Cumulative credits completed ✓✓
- Progress to Graduation (credits completed minus credits not applicable to program requirements) ⚠
- College grade point average ⚠
- Learner outcomes, skills or competencies acquired ⚠
 - Technical skills
 - Cognitive skills

Academic Activity



- Full-time/part-time ✓
- Credits completed in first year ✓
- Percent of credits completed ✓
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- Learner outcomes, skills or competencies acquired ⚠
 - Technical skills
 - Cognitive skills

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Non-Cognitive & Other Skills







- Intrinsic motivations
 - Grit - "sustained perseverance and passion for long-term goal" 
- Navigational capital or understanding of college success processes 
- Time management

Education Stability

- College dropout/stop-out ✓
- Transfer between colleges ✓
- Successful/unsuccessful transfer ⚠
- Change in program/major ✓
- Educational swirl (enrolling in multiple institutions without making progress) 🚩
- Fit (educational choices match educational goals) ⚠

- Work on camp
- Live on camp
- Extracurricula

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- Support network present 
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Stability

Finances / Affordability

- Has a financial plan ⚠️
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- Hours worked while enrolled ⚠️

Career Knowledge & Preparation

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- Have a career plan 
- Participate in work experiences or work-based learning 

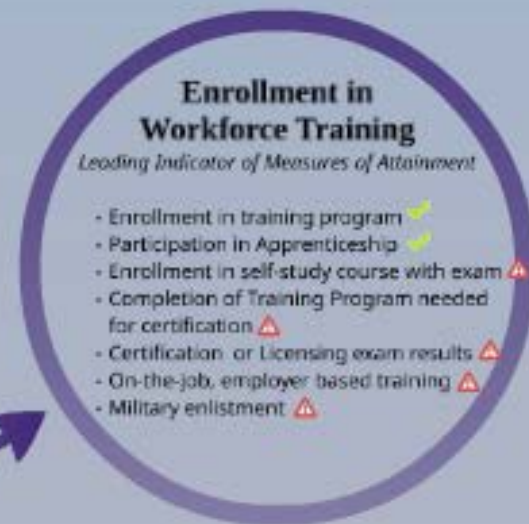
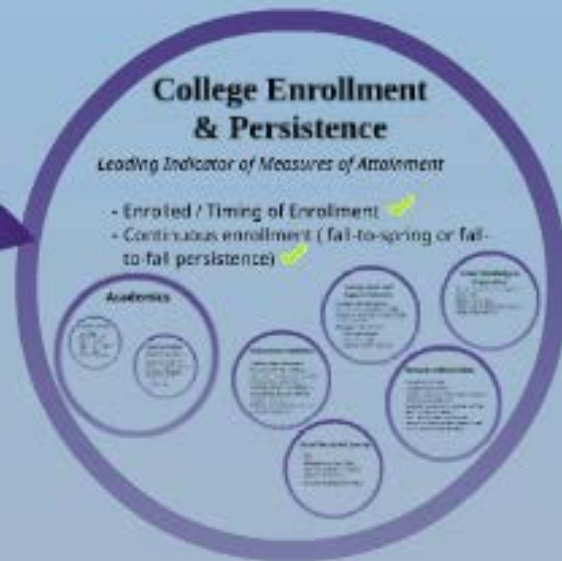
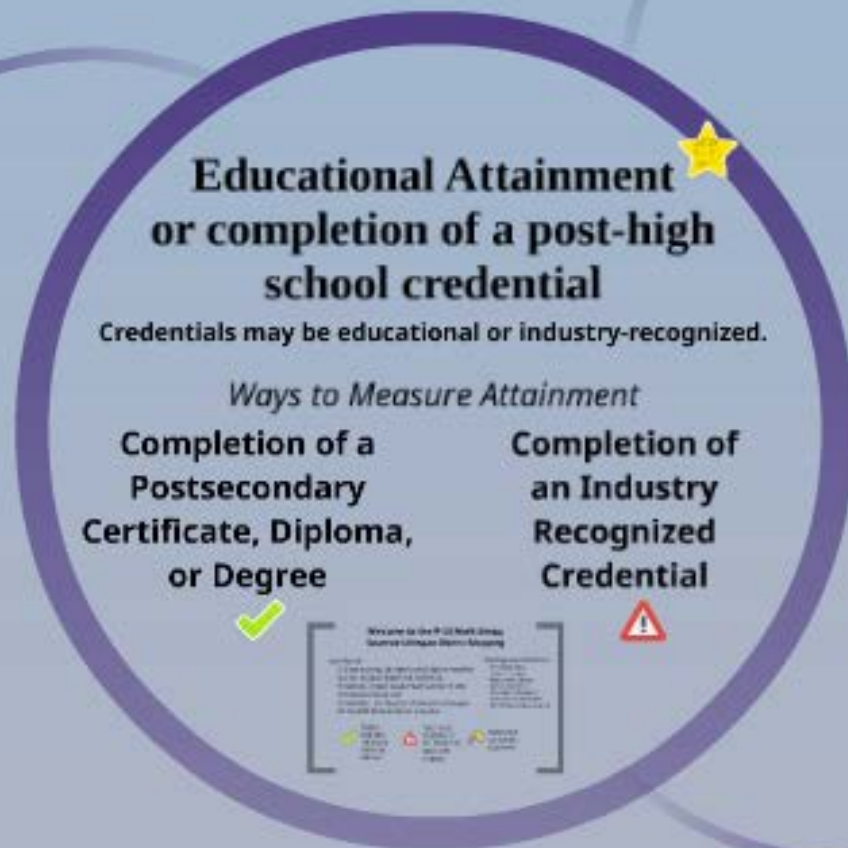
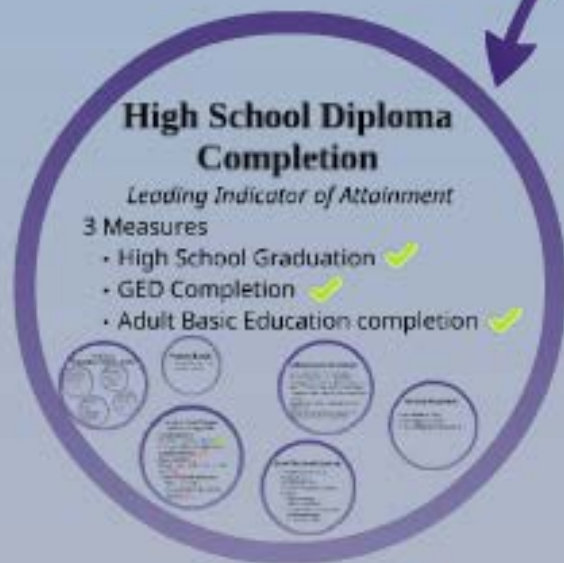
Enrollment in Workforce Training

Leading Indicator of Measures of Attainment

- Enrollment in training program ✓
- Participation in Apprenticeship ✓
- Enrollment in self-study course with exam ⚠
- Completion of Training Program needed for certification ⚠
- Certification or Licensing exam results ⚠
- On-the-job, employer based training ⚠
- Military enlistment ⚠

Individual Learner Measures

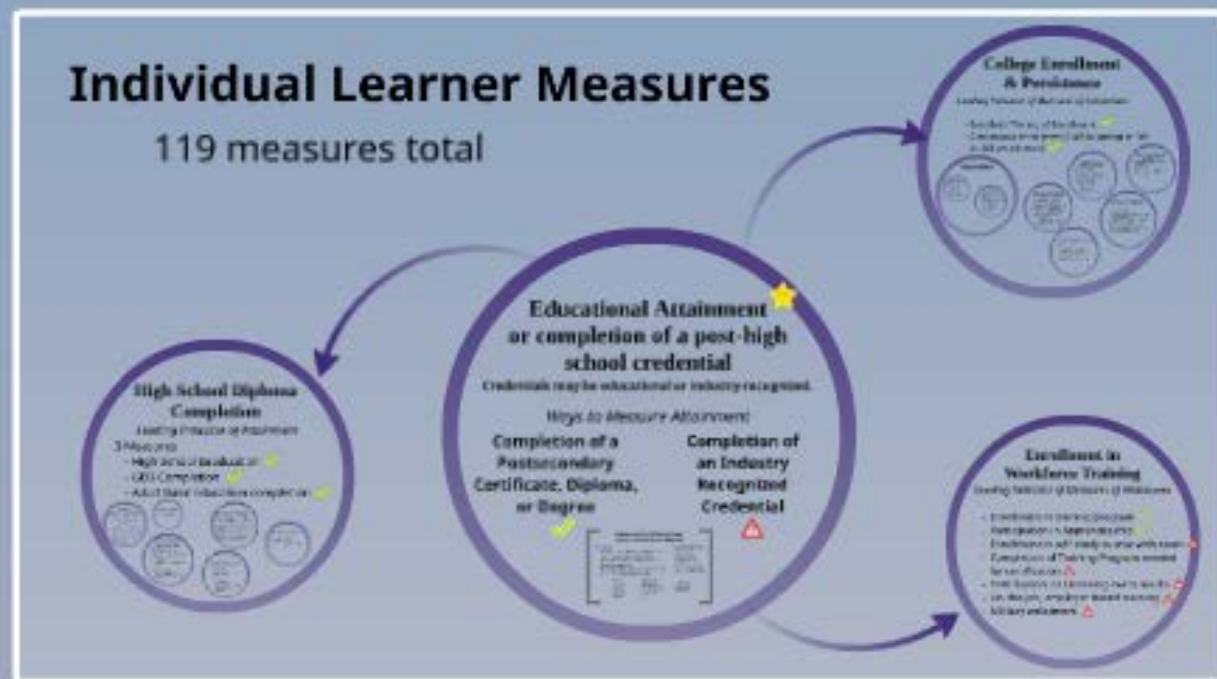
119 measures total



Social & Economic Context (Holistic) for the Individual



- Families
- Homelessness / Housing Insecurity
- Food Insecurity / Hunger
- Incarceration
- Parental education
- Parental employment
- Health & health care coverage
- Social capital
- Crime & public safety
- Communities & community resources (e.g. libraries, parks)
- Environment & Environmental hazards (e.g. lead pipes and paint)
- Technology Access - Has internet access, Has appropriate devices
- Technology - Digital literacy



Organizations & Systems



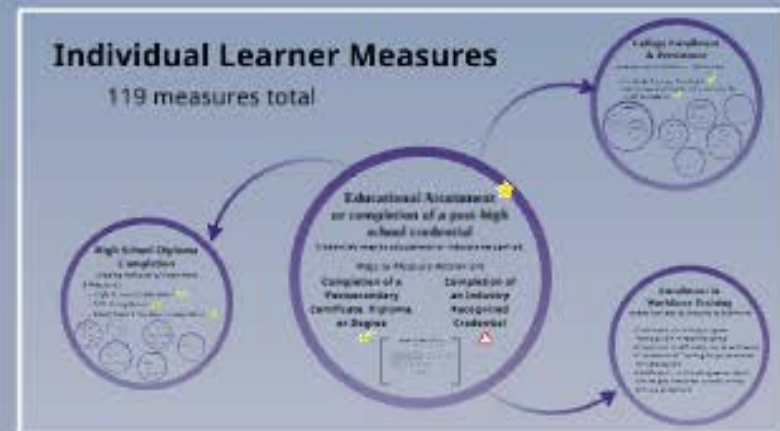
- Who is in charge?
Who holds "the system" accountable?
- Longitudinal activity and outcomes of individuals within and between systems
- Co-enrollment or cross-program participation
- Shared goals, definitions and measures of success

- Individual learner measures summarized by demographic group, organization, state
 - Percent of students on-track
- Surveys of climate and safety
- Organizational culture related to college and career aspirations, access, and success
- Spending per student, Spending as a share of gross domestic product (GDP)
- Workforce supply vs. demand, education-workforce alignment
- Technology - community broadband access, household internet access, appropriate devices, digital literacy assistance

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Equity



Equity by

- Race and Ethnicity
- Socioeconomic status
- Geography
- Other characteristics of individual identity
- Disability

Disparities in

- Individual learner outcomes
- Access to resources and opportunities
- Impact of policies & practices

Engagement of individuals and communities impacted by disparities

- Who is telling the story?
- Who decides what the "problem" is?
- Who decides the "solution"?

Organizations & Systems



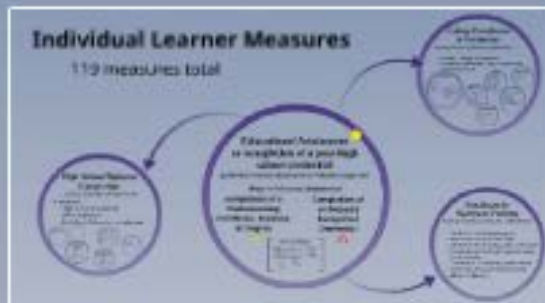
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Minnesota Dashboards

Name	Description	Includes data disaggregation	Website
DEED Report Cards	Workforce training/development indicators	Yes	https://mn.gov/deed/about/what-we-do/agency-results/perform-measures/report-card/
ECLDS	Early childhood indicators	Yes	http://eclds.mn.gov
Generation Next	Six key benchmarks to plot critical points from kindergarten to early career.	Yes	https://gennextmsp.org/data/
Graduate Employment Outcomes	college-to-work indicators	Yes	https://mn.gov/deed/data/data-tools/graduate-employment-outcomes/
MDE Data Center	K-12 data sets associated with state indicators	Yes	https://public.education.mn.gov/MDEAnalytics/Data.jsp
MN Dashboard	40 indicators of the state's well-being	No	https://mn.gov/mmb/mn-dashboard/about/
MN Report Card	K-12 indicators	Yes	https://rc.education.mn.gov
MN Student Survey	Survey of student behavior for current priority topics, includes social-emotional learning.	Yes	https://public.education.mn.gov/MDEAnalytics/DataTopic.jsp?TOPICID=242
SLEDS	High school-to-college, College enrollment & completion indicators	Yes	http://sleds.mn.gov

Minnesota Dashboards

Name	Description	Includes data disaggregation	Website
Minnesota Compass	Social indicators project that measures progress in our state and its communities.	Yes	https://www.mncompass.org/
Parent Aware MN	Data on quality child care and early education programs.	No	https://www.parentaware.org/#/
Lumina Foundation Stronger Nation	Educational attainment indicators (mostly census data)	Yes	http://strongernation.luminafoundation.org/report/2020
NAEP State Profile	Data for state/jurisdiction performance on the National Assessment of Educational Progress (NAEP) assessments	Yes	https://www.nationsreportcard.gov/profiles/stateprofile?chort=1&sub=MAT&sj=&sfj=NP&st=MN&year=2019R3
State of Preschool (NIEER)	Monitors and evaluates national and state progress toward early educational excellence	No	http://nieer.org/state-preschool-yearbooks/2018-2#profiles

Questions?

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